HYUNDAI

HHC SERIES

USER GUIDE

HYUNDAI

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Thanks for choosing the HHC Series!

You're excited to power up, so we'll keep this brief.

Let's get started!

THIS PRODUCT MEETS ALL CERTIFICATION REQUIREMENTS FROM:

WE'VE GOT YOU COVERED!

Contact us by phone at 1-877-528-3772,
email us at support@hyundaipower.ca, or visit us online
at www.hyundaipower.ca if you have any questions

SAVE THESE INSTRUCTIONS - This user guide contains important instructions for your product, that should be followed during installation and mainteneance of the generator and batteries.

This user guide covers the safety, operation and maintenance procedures for all HHC series electric air compressors.

All information in this publication is based on the latest product information available at the time of print.

Visit www.hyundaipower.ca for user guide updates and operation notices.

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WARRANTY INFORMATION

YOU CAN REGISTER EASILY USING OUR ONLINE FORM:
www.hyundaipower.ca/warranty.php

See chapter 9 for more information.

Product registration will allow you to request warranty support in the future. Product registration is required for all product support and warranty coverage.

Warranty support, operation assistance and product support is provided by Midland Power Inc., a licensed manufacturer of Hyundai Power Equipment. Please contact us directly for any warranty service questions.

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Chapter 1 — Safety

General operation safety

1. Always perform a pre-operation check before using the air compressor.
2. Operators of the unit should always be wearing appropriate approved eye and hearing protection. Under some conditions, long durations of use may contribute to hearing loss.
3. Always operate the air compressor according to the instructions for safe and dependable service.
4. Always clean and properly maintain the equipment after use.
5. To avoid harm, never operate the compressor in an enclosed area.
6. Pay attention to all warning labels and be careful not to touch the marked parts of the compressor during and immediately after operation because they may cause burns.

Air Tank Safety

1. Drain the tank daily or after each use. Make sure to properly drain condensed water from the tank in order to prevent rust and/or thinning of the steel tank.
2. If the tank develops a leak, replace it immediately with a new tank or new compressor outfit.
3. Do not attempt to modify or repair the compressor tank. Never drill, weld, or make any modifications of any kind to the tank or its attachments.
4. Do not attempt to modify the pressure switch, safety valve, or any other components that control tank pressure. The tank is designed to withstand specific operating pressures. Never make adjustments or substitute parts to alter the factory set operating pressures.

AC Safety Guidelines

Before connecting the compressor to an electrical device or power cord:

1. Make sure that all parts are in right working order. Faulty devices or power cords can lead to an electrical shock.
2. Turn off the air compressor immediately if the device begins to operate abnormally. Then disconnect the device and investigate the problem.

Maintenance Safety

1. Turn off the air compressor before performing any maintenance. Otherwise, it can cause severe personal injury and/or death.
2. Allow the air compressor to cool down before performing any maintenance.
3. Only qualified, licensed, and/or certified maintenance personnel with knowledge of fuels, electricity, and machinery hazards should perform maintenance procedures.

Attachments and Accessories Safety

1. Do not exceed the pressure rating of air tools, spray guns, air operated accessories, air tires, hoses, and other inflatables. Exceeding pressure ratings may cause them to explode or become damaged, resulting in serious injury.
2. Make sure to follow the equipment manufacturer's recommendation and never exceed the maximum allowable pressure rating of attachments.
3. Never use the compressor to inflate small, low pressure objects, such as children's toys.

Risk of Explosion or Fire

1. Make sure the air compressor is in a well-ventilated area, free of any combustible or flammable materials, gasoline, or solvent vapours.
2. Make sure to keep the compressor at least 20 feet away when spraying flammable materials.
3. Keep all flammable materials in a secure location away from the air compressor.
4. Do not restrict any of the compressor's ventilation openings. This may cause overheating and could cause a fire.
5. Make sure to operate the compressor in an open area at least three feet away from any wall or obstruction that could restrict the airflow of the compressor.

Risk of Bursting

1. Make sure to drain the tank after each use. If the tank develops a leak, replace it immediately with a new tank or new compressor outfit.
2. Do not attempt to modify or repair the tank. Any drilling, welding, or other forms of modification may result in serious injury to you and/or others.
3. Do not adjust regulator to result in output higher than marked maximum pressure of attachment.

Risk of Electrical Shock

1. Do not operate in wet environments.
2. Do not expose the compressor to rain.
3. Make sure the compressor is properly grounded. Failure to ground the unit may increase the risk of electrical shock.
4. All electrical work must be performed by a qualified or licensed/certified electrician.

Risk to Breathing

1. Always operate the compressor in a well-ventilated area.
2. Wear appropriate safety masks to reduce the risk of inhaling any harmful vapours.
3. Do not breathe compressed air from the compressor. The compressed air is not breathable and may contain carbon monoxide, toxic vapours, and/or solid particles.
4. Sprayed materials such as paint, paint solvents, paint remover, insecticides, weed killers, etc. contain harmful vapours and poisons.

Risk of Burn

1. Do not touch any exposed metal components during or immediately after use of the compressor. The compressor will remain hot for several minutes after it has been shutdown.
2. Do not move the unit while the compressor is running.

Risk of Falling

1. Make sure that the compressor is in a stable and secure position before operating.

Risk of Moving Parts

1. The compressor cycles automatically when the pressure switch is in the ON position.
2. Do not remove and safety guards or covers. If guards and/or covers are damaged or removed, do not operate the compressor.
3. Make sure to release pressure, turn off, and disconnect the compressor before performing any maintenance or repairs.
4. Secure any and all loose clothing, hair, or jewellery that may be caught in the moving parts or the air vents of the compressor.
5. attachments.
6. Never use the compressor to inflate small, low pressure objects, such as children's toys.

MODEL	TANK SIZE	HORSE POWER	MAX PSI	SCFM @40 PSI	SCFM @90 PSI	SOUND LEVEL	MODEL WEIGHT
HHC2GAC	2	1/3 HP	100	0.8	0.65	93dB	7.2kg 15.8lb
HHC3GAC	3	1/3 HP	100	0.8	0.65	93dB	8.0kg 17.6lb
HHC4GAC	4	1.5 HP	125	3.5	2.5	95dB	18.5kg 40.7lb
HHC6GAC	6	1.5 HP	125	3.5	2.5	95dB	23.2kg 51.0lb
HHC8GAC	8	1.5 HP	125	3.5	2.5	95dB	24.2kg 53.2lb
HHC6GUQ	6	1.5 HP	135	3.5	2.5	68dB	27.2kg 59.8lb
HHC8GUQ	8	1.5 HP	135	3.5	2.5	68dB	28.5kg 62.7lb

Chapter 3 - Features

Pressure Switch
This controls the power to the motor and the cut-in/cut-out pressure settings. Also serves as the Auto-On/Off positions for the unit.

Safety Valve
This valve allows excess tank pressure to escape into the atmosphere. It should open when tank pressure exceeds the maximum pressure rating.

Check Valve
This valve closes when the pump is not in operation in order to retain air pressure in the tank.

Tank Pressure Gauge
Indicates the reserve air pressure in the tank.

Outlet Pressure Gauge
Indicates the outgoing air pressure to the tool or accessory.

Regulator
Controls the air pressure leaving from the tank.

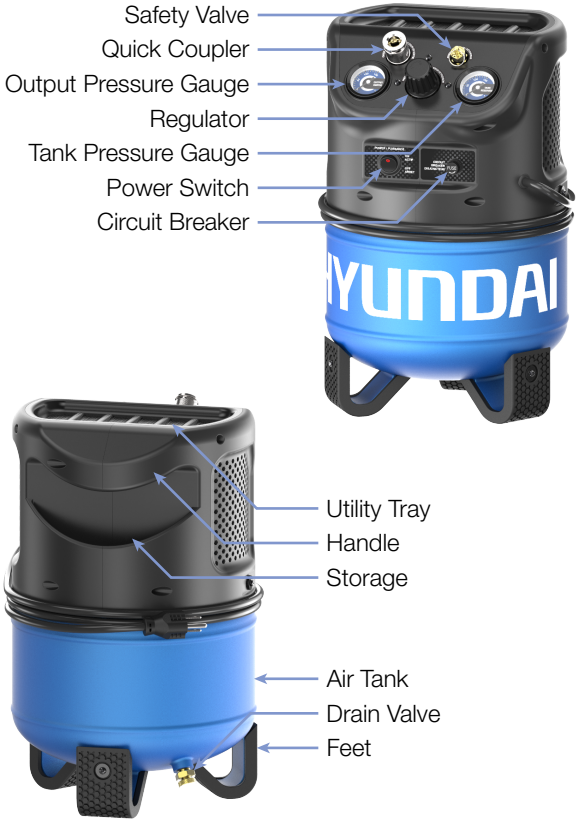
Drain Valve
Used to drain excess moisture and condensation from the tank.

Air Compressor Pump
Oil-free pump that compresses the air.

Pressure Release Valve
This valve automatically releases compressed air momentarily when the compressor reaches cut-out pressure.

Universal Quick Connect Body
Allows for easy attachment and removal of the air hose.

Motor Thermal Overload Protector
If the motor begins to overheat, this protector will shut off the motor.


Safety Valve
Quick Coupler
Output Pressure Gauge
Regulator
Tank Pressure Gauge
Power Switch
Circuit Breaker
HYUNDAI
Utility Tray
Handle
Storage
Air Tank
Drain Valve
Feet

Safety Valve
Tank Pressure Gauge
Regulator
Output Pressure Gauge
Quick Coupler
Power Switch
Utility Tray
Handle
Storage
Air Tank
Foot Grip
Wheels
Drain Valve

Chapter 4 - Start-Up & Operation

Initial Inspection

All air compressors have been inspected carefully before leaving the factory. It is possible that poor handling during transport caused some damage to the compressor. Fully inspect the compressor before use.

1. Inspect the entire unit for any concealed and/or visible damage.
2. Make sure any damaged parts are replaced and any mechanical issues are repaired by a qualified and licensed/certified mechanic.

Pre-Start Checklist

1. Make sure that the ON/OFF switch is in the OFF position.
2. Make sure that the tank is fully drained.
3. Make sure that the tank pressure gauge reads 0 PSI.
4. Make sure that the drain valves are closed.
5. Make sure that all covers and safety guards are properly installed and in place.

Initial Break-In Procedure

The following instructions should be followed before the first time the compressor is operated in order to optimize the life of the compressor and to help prevent any damage to the unit.

1. Make sure the regulator knob is turned counter-clockwise.
2. Plug the power cord into a properly grounded power outlet.
3. Open the drain valve in order to allow air to escape and prevent pressure from building up inside the tank.
4. Turn the ON/OFF switch to the ON position.
5. Allow the compressor to run for approximately 15 minutes.
6. Close the drain valve, allowing pressure to build to the cut-out pressure. The compressor will shut off automatically.
7. Use the compressed air in the tank with an approved attachment or allow it to bleed out.

Start-up

1. Make sure the regulator knob is turned counter-clockwise.
2. Plug the power cord into a properly grounded power outlet.
3. Turn the ON/OFF switch to the ON position.
4. Allow the compressor to reach the cut-out pressure. The compressor will shut off automatically.
5. Attach a hose and the desired accessory to the unit.
6. Adjust the regulator knob to the desired pressure.

Shutdown

1. Make sure that the ON/OFF switch is in the OFF position.
2. Unplug the power cord from the outlet.
3. Turn regulator knob counter-clockwise until the regulated pressure gauge reads 0 PSI.
4. Remove the attached hose and accessory.
5. Drain all air and water from the air tank.
6. Once the tank is fully drained, close the drain valve.
7. Store in a safe, dry, non-freezing area.

Storage

1. Do not store the compressor in areas that are humid and/or subject to temperature fluctuations. This may result in excess moisture or water forming in the tank, which may affect the compressors cycle times.
2. Do not store in areas with excessive dust.
3. After the ON/OFF switch is in the OFF position, unplug and properly store the power cord in a protected and safe position.

Chapter 5 - Maintenance

Proper maintenance is important in order to ensure safe, economical, and trouble-free operation. Improper maintenance may cause the air compressor to malfunction and can lead to serious injuries or death.

Shut off the compressor before performing any maintenance. When the engine is running, make sure the area is well ventilated. The compressed air may contain harmful vapours or particles.

Use authorized parts or their equivalent. The use of replacement parts which are not equivalent quality may damage the compressor.

NOTE: Some of these maintenance techniques can be dangerous and must be performed by a qualified technician.

In order to maintain high performance and extend the service life of the compressor, periodical inspection and adjustments should be done based on the following maintenance schedule:

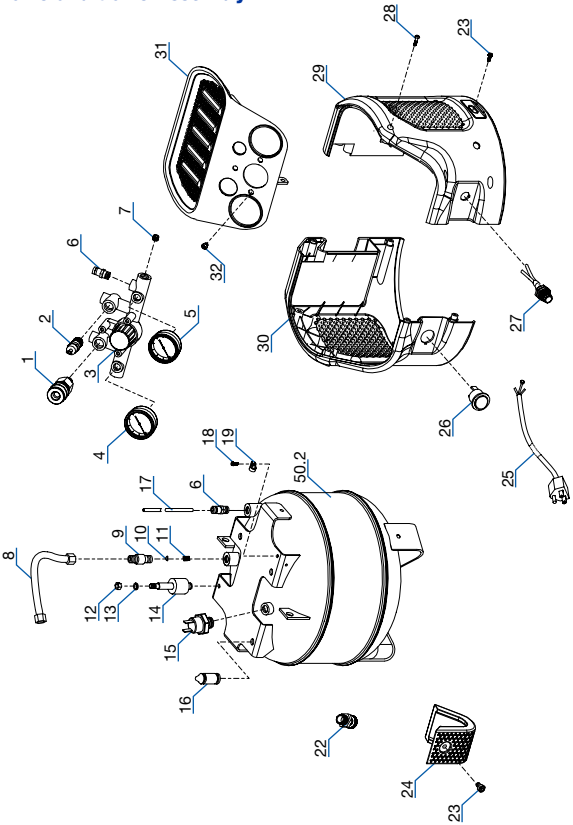
PROCEDURES	DAILY OR BEFORE EACH USE	AFTER EACH USE	OTHER
General Inspection	X		
Drain condensation in tank(s)	X		
Check for unusual noise/vibration	X		
Check for air leaks	X		
Check safety relief valve	X		
Inspect air filter, replace if necessary			Approx. every 100 hours
Clean exterior of compressor		X	
Oil exposed metal and moving parts.	X		

NOTICE:

1. Service more frequently when used in dusty areas.
2. Should be serviced by an authorized service dealer.
3. Must be serviced by an authorized Hyundai Service Dealer. Failure to do so will void the warranty.

Chapter 6 - Part Lists

2GAC and 3GAC Assembly



NO.	NAME
1	Quick coupler
2	Safety Valve
3	Regulator ASM
4	40 gauge - Output
5	40 gauge - Tank
6	Adaptor
7	End cap
8	Exhaust pipe
9	Connector
10	Gasket 3
11	Spring 2
12	Nut
13	Spring washer
14	Stand bar
15	Pressure switch
16	Pump support
17	Nylon pipe
18	Bolt 1
19	Clip
20	Tank

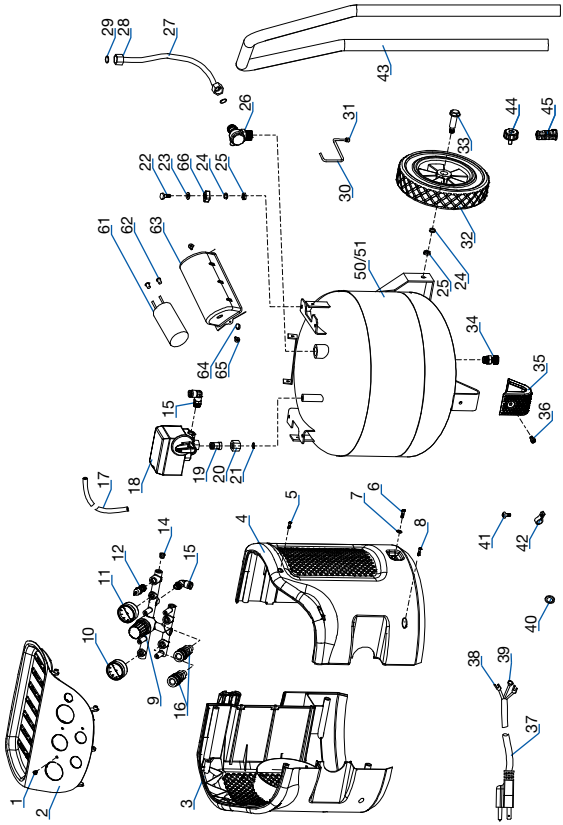
NO.	NAME
21	Earth symbol
22	Drain valve
23	Bolt 2
24	Rubber foot
25	Power cable
26	Switch
27	Fuse
28	Screw 5
29	Shroud R
30	Shroud L
31	Shroud cover
32	Bolt

Tanks

50.2 2 Gallon Air Tank

50.3 3 Gallon Air Tank

4GAC, 6GAC, 8GAC, 6GUQ and 8GUQ Assembly

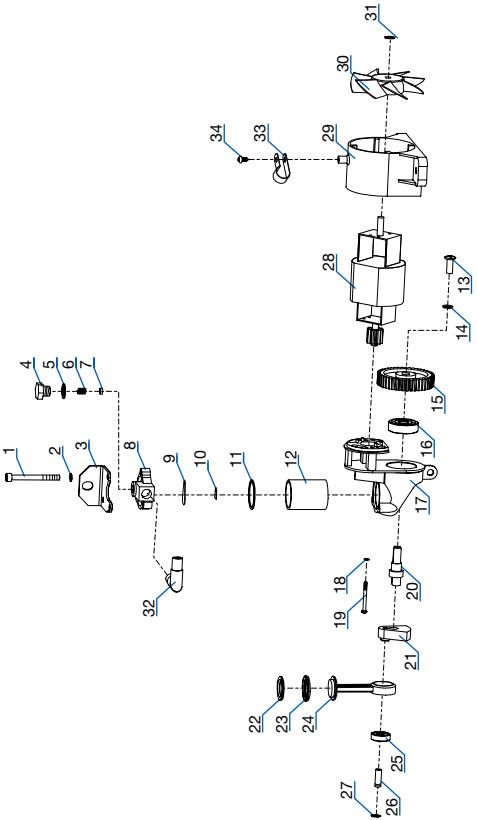


NO.	NAME
1	Bolt - M5 x 10
2	Shroud cover
3	Left shroud
4	Right shroud
5	Bolt - ST4.2 x 16
6	Bolt - M5 x 18
7	Flat washer 5
8	Bolt - ST4.2 x 25
9	Regulator
10	Gauge (outlet)
11	Gauge (tank)
12	Safty valve - 140Psi
14	Plug
15	Adaptor 90 degree
16	Quick coupler
17	Nylon pipe 8
18	Pressure switch
19	Adaptor - NPT1/4
20	Nut - G3/8
21	Gasket

NO.	NAME
22	Bolt - M8 × 30
23	Flat washer - 8
24	Spring washer - 8
25	Nut - M8
26	Non-return valve
27	Exhaust pipe - ø10
28	Nut G3/8
29	Rubber gasket - ø10
30	Unloading pipe - ø6
31	Nut - G1/8
32	Wheel
33	Axle - M8 x ø12.5 x 42.5
34	Drain valve
35	Rubber foot
36	Bolt - M5 x 12
37	Power plug
38	U-terminal
39	O-terminal
40	O ring
41	Screw - M5 x 10

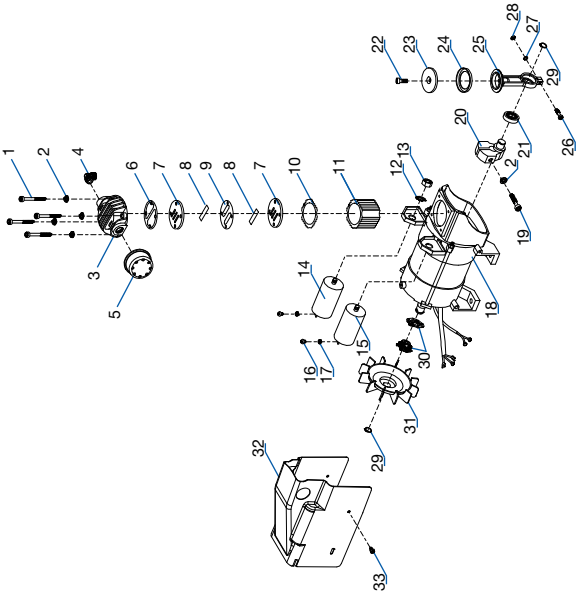
NO.	NAME
42	Wire clip
43.1	Handle
43.2	Handle (silent models)
44	Screw Knob
45	End cap
	Tanks
50.4	4 Gallon Air Tank
50.6	6 Gallon Air Tank
50.8	8 Gallon Air Tank
51.6	6 Gallon Silent Air Tank
51.8	8 Gallon Silent Air Tank
	Silent Models Only
61	Capacitor - 90μF/250V
62	Sleeve
63	Capacitor cover
64	O-shape rubber cover
65	Bolt - M5 x 8
66	Shock pad

1/3 HP Motor Assembly (2GAC, 3GAC)



NO.	NAME
1	M5*50 Bolt
2	Spring Washer 1
3	Support Plate
4	Screw 1
5	Gasket 1
6	Spring 1
7	Rubber Seal
8	Cylinder Head
9	Valve Reed
10	Kits for Reed
11	Gasket 2
12	Cylinder
13	Screw 2
14	Washer
15	Gear
16	Bearing
17	Crankcase
18	Spring Washer 2
19	Screw 3
20	Axle
21	Crankshaft
22	Cover for C.Rod
23	Piston ring
24	Connecting rod
25	Bearing for rod
26	Pin
27	Spring washer
28	Motor
29	Motor cover
30	Fan
31	Snap ring
32	Elbow
33	Clip
34	Screw 4

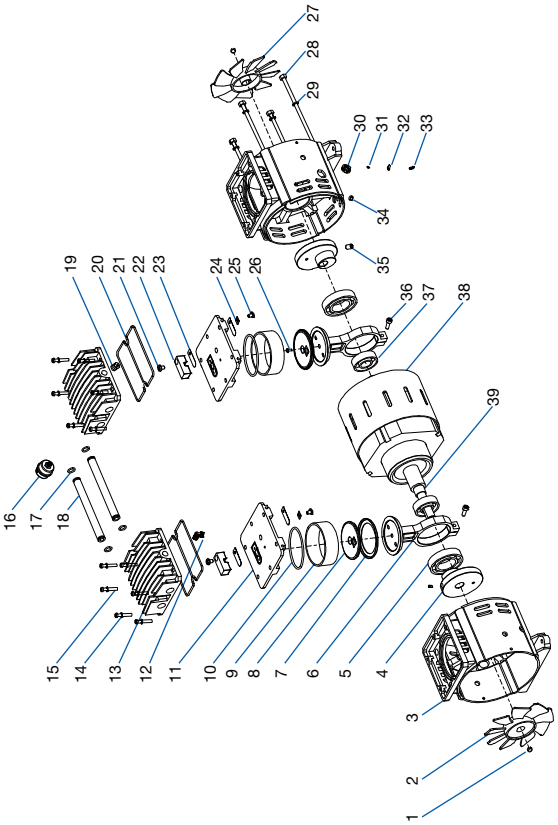
1.5 HP Motor Assembly (4GAC, 6GAC, 8GAC)



NO.	NAME
1	Head screw - M6 x 80
2	Washer - ø6
3	Cylinder head
4	Elbow
5	Air filtor
6	Head gasket
7	Valve plate
8	Valve reed
9	Valve gasket
10	Cylinder gasket upper
11	Cylinder
12	Tooth washer - ø8
13	Nut - M8 (white)
14	Running capacitor
15	Starting capacitor
16	Screw - M3 x 6
17	Washer - ø3 65Mn
18	Motor
19	Screw - M6 x 40
20	Crank shaft

NO.	NAME
21	Bearing
22	Screw - M6 x 18
23	Rod cover
24	Pinston ring
25	Connecting rod
26	Screw - M4 x 20
27	Washer - ø4
28	Nut - M4
29	Circlip
30	Centrifugal switch
31	Fan
32	Fan cover
33	Screw - M5 x 12

1.5 HP Silent Motor Assembly (6GUQ, 8GUQ)



NO.	NAME
1	Snap ring - 14 GB/T894.1
2	Fan
3	Crank case
4	Crank shaft - 6.5
5	Bearing - 6006RZ
6	Connecting rod
7	Piston ring
8	Ring cover
9	Cylinder - ø63.5×23
10	Seal gasket
11	Valve plate
12	Elbow - ZG1/4-G3/8
13	Cylinder head
14	Spring washer - 5 GB/T93
15	Screw - M5 x 30 GB/T70
16	Air filtor - ZG1/4
17	Connecting pipe
18	O-ring - ø13 x 2
19	Unloading valve
20	Seal gasket

NO.	NAME
21	Screw - M4 x 6 GB/T823
22	Lift limiter
23	Valve reed
24	Tablet
25	Screw - M4 x 8 GB/T823
26	Screw - M5 x 20 GB/T70
27	Fan
28	Bolt - M5 x 182
29	Spring washer - 5 GB/T93
30	linflaming wire buckle
31	Tooth washer - 4 GB/T862.1
32	Ground mark
33	Screw - M4 x 6 GB/T818
34	Plug
35	Screw - M8 x 10 GB/T77
36	Screw - M5 x 20 GB/T70
37	Bearing - 6203RZ
38	Stator - 110V/60Hz ø135
39	Rotor - 110V/60Hz 4P

Section 7 - Troubleshooting

Many troubleshooting procedures present hazards which can result in severe personal injury or death. Only trained and experienced service personnel with knowledge of fuels, electricity, and machinery hazards should perform service procedures. Review Safety Precautions.

A hot compressor can cause severe burns. Always allow the compressor set to cool before performing any maintenance service.

PROBLEM	CAUSE	CORRECTION
Compressor does not start.	• Blown fuse or circuit breaker tripped. • Loose electrical connections. • Overheated motor.	• Check for cause and replace or reset. • Check wiring connections. • Use reset button. • Wait for automatic reset.
Compressor does not supply enough pressure to operate.	• Air leak in safety valve. • Restricted air filter. • Defective check valve.	• Check valve manually: pull upward on rings. If condition persists, replace valve. • Clean or replace air filter. • Replace check valve.
Excessive tank pressure; Safety relief valve releasing.	• Defective pressure switch or improper adjustment.	• Check for proper adjustment and if problem persists, replace pressure switch.
Moisture in discharged compressed air.	• Condensation in air tank caused by humidity. • Compressor located in damp or humid area.	• Drain tank. • Relocate the compressor. • Purchase In-Line air filter system.

Compressor does not or is slow to come up to speed.	• Defective motor or pump. • Defective pressure switch. • Use of an extension cord.	• Contact Hyundai Power Customer Service. • Replace the pressure switch. • If possible, eliminate extension cord.
Compressor runs excessively hot.	• High duty cycles. • Compressor unit cannot supply enough air. • Extremely dusty atmosphere.	• Run compressor for lighter cycles. • If accessory's required CFM is higher than pressure supply, larger compressor is required. • Relocate the compressor.
Excessive noise / vibration during operation.	• Check valve is loose or broken. • Defective motor or pump.	• Clean or replace check valve. • Contact Hyundai Power Customer Service.
Excessive starting and stopping.	• Hose, hose connections, or attached accessory leaks. • Condensation in air tank, high humidity. • Fittings are not tight enough. • Defective pressure switch. • Rusted or damaged air tank.	• Check for leaks and replace if necessary. • Drain tank. • Tighten any loose fittings. • Replace defective switch. • Replace tank immediately. Do not attempt to repair the tank.
Air leaks.	• Fittings not tight enough. • Air leaks at hose or accessory. • Rusted or damaged tank.	• Tighten any loose fittings. • Check for leaks and replace if necessary. • Replace tank immediately. Do not attempt to repair the tank.

Chapter 8 - Glossary

CFM
Cubic Feet per Minute.

Cut-In Pressure
The tank's lowest pressure point at which the motor restarts automatically to build pressure.

Cut-Out Pressure
The tank's maximum pressure point at which the motor shuts off automatically.

Cycle
The series of steps that a compressor performs.

Cycle Time
The amount of time for a compressor to complete one cycle.

HP
Horsepower required at the compressor shaft to perform.

PSI
Pounds per Square Inch; A unit of measure of pressure.

Regulator
Device used to change the pressure from the compressor.

SCFM
Standardized Cubic Feet per Minute; a measure of airflow.

Chapter 9 - Warranty

This product is warranted to be free of defects in materials and workmanship for one year from the original date of purchase. This limited warranty guarantees that any defective parts will be repaired or replaced, at the warrantor's discretion, at no cost, including diagnosis and replacement parts.

1 Year Limited Warranty:

The warranty coverage is continual from the initial date of purchase and does not restart at anytime under any circumstances. This limited warranty is valid only when the air compressor receives all necessary preventative maintenance, as described in the Hyundai Air Compressor User Manual. The repair or replacement of a compressor will take place within a reasonable period of time during normal business hours.

All repaired and replacement parts shall be warranted for 90 days after the initial date of installation or purchase.

Limitations of Remedies and Disclaimers

THE FOREGOING LIMITED WARRANTY IS EXCLUSIVE OF AND IN LIEU OF ALL OTHER WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND OF ANY OTHER WARRANTY, WHETHER EXPRESSED OR IMPLIED.

Midland Power Inc. disclaims any responsibility for any indirect, incidental, or consequential loss or damage caused by any defects in material or workmanship.

This limited warranty will be voided if the compressor is used for commercial purposes.

All expenses incurred in maintaining and replacing parts for the compressor shall be incurred by the purchaser. This warranty coverage does not include parts affected by accident and/or collision, corrosion or rust, normal wear, use in an application for which the product was not intended, service from an unauthorized service dealer, or any other misuse, neglect, incorporation or use of unsuitable attachments and/or parts. Under this warranty, the warrantor is not obligated to bear any transportation fees of any product to/from an authorized service dealer. Unauthorized alteration, installation, or any cause other than defects in material or workmanship of the product will not be covered under this warranty.

Not covered by this Limited Warranty:

1. Normal motor/pump wear.
2. Damage caused by a lack of maintenance as described in the Hyundai User Manual.
3. Damage caused by accidents, improper installation or storage.
4. Damage caused by water ingestion, submersion, or external water damage.
5. Damage or non-performance caused by operation of the compressor set in a marine application.
6. Damage caused by operation with improper pressure, conditions, or modifications contrary to published specifications.
7. Items not supplied by Hyundai, such as, but not limited to, external wiring, filters, etc.
8. Repairs made during the warranty period without first obtaining a case number from Hyundai.

Product Registrations

Product registration is required for all product support and warranty coverage. The purchaser must provide the original proof of purchase. You should keep the your receipt for proof of purchase. Once your registration is complete, your receipt will be on file and any future warrenty claims will be easily created.

YOU CAN REGISTER EASILY USING OUR ONLINE FORM:
www.hyundaipower.ca/warranty.php

Warranty Claim Procedure

Warranty service must be performed by a Hyundai authorized service dealer. If you feel your compressor is malfunctioning due to a defect or misuse, simply contact our customer support center for technical advice, a warranty claim, or general information.

Proof of purchase may be required for warranty claims. Keep a copy of the original receipt, UPC code and serial number with this user guide.

Do not return your compressor to the place of purchase or repair.

MIDLAND POWER INC. MUST BE CONTACTED TO PROVIDE A CASE NUMBER BEFORE ANY WARRANTY WORK CAN BEGIN.

To obtain warranty service, contact our customer support center:

Toll Free: 1-877-528-3772
E-mail: support@hyundaipower.ca
Website: www.hyundaipower.ca

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